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APPLICATION NO.	FL	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/668,219	C	09/22/2000	Yunzhou Li	2204/A42	9843	
34845	7590	07/26/2005		EXAMINER		
STEUBING	G AND M	ICGUINESS & M	LY, ANH VU H			
125 NAGOO ACTON, M				ART UNIT PAPER NUMBER		
, , , , , ,				2667		
				DATE MAILED: 07/26/200	ς.	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)					
		09/668,219	LI, YUNZHOU					
	Office Action Summary	Examiner	Art Unit					
		Anh-Vu H. Ly	2667					
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with	the correspondence address					
THE - External after - If the - If NC - Failur	ORTENED STATUTORY PERIOD FOR REPLY MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. It is period for reply specified above is less than thirty (30) days, a reply or period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a rep within the statutory minimum of thirty rill apply and will expire SIX (6) MONTI cause the application to become ABA	ly be timely filed (30) days will be considered timely. 15 from the mailing date of this communication NDONED (35 U.S.C. § 133).	n.				
Status			,					
1) 又	Responsive to communication(s) filed on 20 M	av 2005.		•				
· · · · · ·	•	action is non-final.						
3)□	, _							
Dispositi	ion of Claims			•				
4)🖂	Claim(s) 1-57 is/are pending in the application.	•		•				
•	4a) Of the above claim(s) is/are withdrawn from consideration.							
	Claim(s) is/are allowed.							
6)⊠	6)⊠ Claim(s) <u>1-6,11-13,18-30,35-37,42-45,50,51,56 and 57</u> is/are rejected.							
7)🖂	Claim(s) 7-10,14-17,31-34,38-41,46-49 and 52	-55 is/are objected to.						
8)□	Claim(s) are subject to restriction and/or	election requirement.						
Applicati	ion Papers			•				
9)	The specification is objected to by the Examine	r.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.								
,—	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)	The oath or declaration is objected to by the Ex	. = :	•					
Priority (under 35 U.S.C. § 119							
12)□	Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. §	I19(a)-(d) or (f).					
	☐ All b)☐ Some * c)☐ None of:	,,						
,	1. Certified copies of the priority documents have been received.							
	2. Certified copies of the priority documents		plication No					
	3. Copies of the certified copies of the prior	ity documents have been r	eceived in this National Stage					
	application from the International Bureau	(PCT Rule 17.2(a)).						
* 5	See the attached detailed Office action for a list	of the certified copies not re	eceived.	•				
Attachmen		·						
	te of References Cited (PTO-892)	4) Interview Su						
3) Infon	te of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) or No(s)/Mail Date		Mail Date ormal Patent Application (PTO-152) -					

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DETAILED ACTION

Response to Amendment

This communication is in response to applicant's amendment filed May 20, 2005.
 Claims 1-57 are pending.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- Claims 1-6, 11-13, 18-30, 35-37, 42-45, 50-51, and 56-57 are rejected under 35
 U.S.C. 102(e) as being anticipated by Jardetzky et al (US Patent No. 6,392,989 B1).

With respect to claims 1, 6, 19, 24, 30, and 37, Jardetzky discloses a method for bridging network traffic in a networking device having a plurality of communication interfaces (Fig. 1B). Jardetzky discloses creating a bridged routing entry in a bridged routing table that is separate from a main routing table (Fig. 5B) and wherein, the main routing table for routing network traffic (Fig. 5A). Jardetzky discloses the bridged routing table for bridging network traffic between a first communication interface and a second communication interface before requiring a bridge between the predetermined pair of communication interfaces (when failure occurs in the switch 100-2, the entry of the recovery mappings points to the output port 4:a of link 200 (second

communication interface) instead of 1:a of link 200 (first communication interface), as disclosed in Fig. 5B). Jardetzky discloses subsequently determining that a bridge is needed between the first communication interface and the second communication interface and establishing the bridge between the first communication interface and the second communication interface using the bridged routing entry (Figure 4 illustrates a failure occurs and affects the switch, step 328, and implements recovery mappings for failure condition, step 330).

With respect to claims 2, 20, and 25, Jardetzky discloses adding the second communication interface as an outgoing interface to a routing entry having the first communication interface as an outgoing interface (the output port of the first entry of the recovery mappings, Fig. 5B, indicates 200-4:a).

With respect to claims 3, 21, and 26, Jardetzky discloses creating a bridged routing vector for bridging the first communication interface and the second communication interface (each switches uses the mapping table to initiate a recovery action when a failure occurs, as disclosed in col. 7, lines 18-19. This implies that a vector is automatically generated for indicating which ports in forwarding descriptor to direct the network traffic).

With respect to claims 4, 11, 22, 27, 35, and 42, Jardetzky discloses detecting a failure affecting communication over the first communication interface (Fig. 5B illustrates that a failure occurs at switch 100-2).

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With respect to claims 5, 12, 18, 23, 36, and 50, Jardetzky discloses wherein the plurality of communication interfaces comprises a plurality of line cards (Fig. 1B illustrates each switch comprising a plurality of ports, herein, each port and/or multiple ports can be associated with a line card).

With respect to claims 13, 45, and 51, Jardetzky discloses a method for protection switching in a networking device having a plurality of communication interfaces (Fig. 1B). Jardetzky discloses pre-establishing a bridged routing table separate from a main routing table (Fig. 5B) and wherein, the main routing table for routing network traffic (Fig. 5A). Jardetzky discloses the bridged routing table for bridging network traffic between each communication interface in each of a number of communication interface pairs, where each communication interface pair represents a working communication interface and a corresponding protection communication interface from among the plurality of communication interfaces (when failure occurs in the switch 100-2, the entry of the recovery mappings points to the output port 4:a of link 200 (protection communication interface) instead of 1:a of link 200 (working communication interface), as disclosed in Fig. 5B). Jardetzky discloses detecting a failure affecting communication over the working communication interface (Fig. 5B illustrates that a failure occurs at switch 100-2). Jardetzky discloses determining a protection communication interface to protect the working communication interface (Fig. 5B illustrates port 200-4:a has been used to protect working communication interface). Jardetzky discloses obtaining the preestablished bridged routing table for the communication interface pair associated with the working communication interface and the protection communication interface (Fig. 5B) and

bridging the protection communication interface to the working communication interface using the pre-established bridged routing table for the communication interface pair associated with the working communication interface and the protection communication interface (Figure 4 illustrates a failure occurs and affects the switch, step 328, and implements recovery mappings for failure condition, step 330).

With respect to claims 28-29, 43-44, and 56-57, Jardetzky discloses that the computer program is embodied in a computer readable medium and/or a data signal (Figs. 3A-B and 4 illustrate a flow chart for a process for protecting a connection from a given number of failure conditions. The program used to implement the stated flow chart must be stored in a memory to be executed by the CPU and the instructions are electrical signals).

Allowable Subject Matter

3. Claims 7-10, 14-17, 31-34, 38-41, 46-49, and 52-55 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

4. Applicant's arguments with respect to claims 1-57 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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Ichinohe et al (US Pub 2005/0076231 A1) discloses network system having function of

changing route upon failure.

6. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Anh-Vu H. Ly whose telephone number is 571-272-3175. The

examiner can normally be reached on Monday-Friday 7:00am - 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Chi Pham can be reached on 571-272-3179. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

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